Capability Gap Brief

CounterFire/Targeting

***CounterFire* – Fire intended to destroy to neutralize enemy weapons**

Targeting* – The process of *selecting and prioritizing targets and matching the appropriate response taking account of operation requirements and capabilities

CWO4 Jeff Nebel
Fires & Maneuver Integration Division
26 Feb 2007

FMID Capability Gaps

FMID Section	Priority
Unmanned Aircraft Systems	1
Assault Support	2
Target Acquisition	3
Counter fire / Targeting	4
Fire Support Coordination	5
Information Operations	6
Personal Equipment	7
Small Arms / Crew-Served	8
Mobility / Counter-Mobility	9
Rockets / Artillery	10
Riverine / Special Operations	11
Public Affairs	12
Offensive Air Support	13
Electronic Warfare	14
Civil Affairs	15
Offensive Anti-Air Warfare	16

Capability Analyzed
Counter Fire / Targeting

9 JCA's supported: Hi Pri-Joint Deployment/Rapid Distribution
12 MCT's supported : Hi Pri-Assess/Conduct combat assessment

Deficiencies in Conditions: Unable to provide adequate fire support planning in Joint environment.
Deficiencies in Standards: Emerging gap to provide targeting data in digital format. Gap in standardized training.

Inputs utilized for analysis:

- MAGTF FAA dtd Jun 2006
- GRWLR CDD 27 Apr 05
- DC, PP&O GCE Advocate's Capability List.
- Marine Corps Midrange Threat Estimate: 2005-2015
- Tgt Acquisition Platoon UNS Jan 2006
- Current Funding Data: POM-08 and Supplemental
- STOM and DO Concepts, Grey Book

Gap, Excess, or Shortfall

D	**MAGTF Targeting Process. TAP Concept**
O	**TAP Concept. Integration of sensors into RCT. Lack of standardized targeting organization at the CE of the MAGTF.**
T	**No specific training on D3A process.**
M	**GWLR continued funding required. Targeting software solution. Increase in Q-46s with MC end strength increases. Funds GCFS and LCMR (transition to POR). UAS OSRVT.**
P	**Target Effects Officer at RCTs.**

Current PORS:

- Ground Weapons Locating Radar (GWLR) – Increment II of G/ATOR. An expeditionary radar system that will acquire threat ID fire systems at greater ranges than the current Q-46A.
- Target Location, Designation and Handoff system (TLDHS) – A system of systems developed to gather and digitally pass target information to various service and joint fires platforms.
- C4 systems: AFATDS, WEEMC, JADOCS, CAC2S
- Joint Effects Targeting System (JETS) – A truly Joint TLDHS capability only at the approved ICD stage. Technology and working level inter-operabilty make this a future

Identification / Impact of the Capability Gap

- **Marine Corps Tasks identified within the Counterfire / Targeting capability area as gaps or shortfalls**

Marine Corps Task Capability Description	MCT #
ASSESS/Conduct Combat Assessment	3.1.6
Conduct Fire Support Tasks	3.2.1
Conduct Targeting (using 3DA in concert with JTC)	3.1
DECIDE/Conduct Target Development, Validation, Nomination, &Prioritization	3.1.2

Identification / Impact of the Capability Gap

MCT 3 EMPLOY FIREPOWER

CONDUCT TARGETING (D3A/JOINT TARGETING CYCLE) MCT 3.1

MCT 3.1.1
DECIDE/Determine Commander's Objectives, Guidance, and Intent

MCT 3.1.1.1
Conduct Effects-Based Targeting

MCT 3.1.1.1.1
Determine Desired Direct Effects

MCT 3.1.1.1.2
Determine Desired Indirect Effects

MCT 3.1.1.2
Develop Measures of Effectiveness (MOEs)

MCT 3.1.2
DECIDE/Conduct Target Development, Validation, Nomination, and Prioritization

MCT 3.1.2.1
Identify Planned Targets

MCT 3.1.2.1.1
Identify Scheduled Targets

MCT 3.1.2.1.2
Identify On-Call Targets

MCT 3.1.2.2
Respond to Immediate Targets

MCT 3.1.2.2.1
Respond to Unplanned Immediate Targets

MCT 3.1.2.2.2
Respond to Unanticipated Immediate Targets

MCT 3.1.2.3
Conduct Target Value Analysis (TVA)

MCT 3.1.2.3.2
Identify High-Payoff Targets (HPT)

MCT 3.1.2.3.2.1
Develop a High-Payoff Target List (HPTL)

MCT 3.1.2.3.3
Nominate Time-Sensitive Targets (TST) to the Combatant Commander or Joint Force Commander

MCT 3.1.2.4
Nominate Targets for Submission to the Joint Integrated Prioritized Target List (JIPTL)

MCTL 3.1.2.5
Lead or Participate in a Target Board

MCT 3.1.3
DECIDE-DETECT/Conduct Capabilities Analysis

MCT 3.1.3.1
Conduct Weaponeering

MCT 3.1.3.2
Identify Target Acquisition (TA) Taskings

MCTL 3.1.3.3
Develop an Attack Guidance Matrix (AGM)

MCT 3.1.3.4
Identify Target Selection Standards

MCT 3.1.3.5
Identify Requirements for Battle Damage Assessment (BDA)

MCT 3.1.4
DETECT-DELIVER/Obtain the Commander's Decision and Force Assignment

MCT 3.1.4.1
Identify Force Apportionment

MCT 3.1.4.2
Identify Force Allocation

MCT 3.1.4.3
Conduct Air Tasking Order (ATO) or Joint ATO Development Activities

MCT 3.1.4.4
Develop Fires Portion of the Operations Order (OPLAN/CONPLAN)

MCT 3.1.5
DELIVER/Conduct Mission Planning and Force Execution

MCT 3.1.5.1
Execute Attack Guidance on Targets in Support of the Commander's Plan

MCT 3.1.6
ASSESS/Conduct Combat Assessment

MCT 3.1.6.1
Assess Battle Damage Assessment (BDA)

MCT 3.1.6.1.1
Assess the Physical Damage to Targets

MCT 3.1.6.1.2
Assess the Functional Damage to Targets

MCT 3.1.6.1.3
Assist Theater and National Level Intelligence Agencies with Assessment of the "Target System"

MCT 3.1.6.2
Conduct Munitions Effects Assessment

MCT 3.1.6.3

ATTACK TARGETS MCT 3.2

MCT 3.2.1
Conduct Fire Support Tasks

MCT 3.2.1.1
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MCT 3.2.3.1.1
Conduct Close Air Support (CAS)

MCT 3.2.3.1.2
Conduct Deep Air Support

Provide Illumination/Smoke

MCT 3.2.4.5
Conduct Survey Operations

MCT 3.2.5
Control Supporting Arms

MCT 3.2.5.1
Control Ground Surface Fires

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urface Fire

hal Fires

5 MOS-Targeting Billets in the Marine Corps Identified and trained to conduct D3A and which is critical to the entire Employ Fire Power Task

Identification / Impact of the Capability Gap

- **Advocates Capability List**
  - **Ground indirect fires forces capable of providing a triad of complementary, discriminating and non-discriminating fires that facilitate combat operations during both traditional and irregular operations.**
  - **The ability of the MAGTF to provide discriminating / precision indirect fires that enhance combat operations during both traditional and irregular operations.**
  - **Modern artillery forces capable of providing fires in support of MAGTF operations.**
  - **Accurate location of targets of opportunity facilitating rapid attack and reactive counterfires.**
  - **The ability of the MAGTF to identify friendly, enemy, and neutral forces and reduce incidences of fratricide and improve combat effectiveness / situational awareness**

Identification / Impact of the Capability Gap

- **Advocates Capability List**
  - **Expanded fire support organization providing technical and tactical expertise for planning and executing Joint and Marine fires, including air fires, at all tactical levels within the GCE from the squad through the division.**
  - **GCE possesses the ability plan for, execute and integrate numerous lines of operation aimed at undermining the enemy and positively influencing the civilian populace toward Marine tactical and operational objectives.**
  - **The GCE possesses the ability to deliver non-lethal fires in support of tactical operations.**

Identification / Impact of the Capability Gap

- **The MAGTF does not have an effective targeting structure**
- **The MAGTF lacks trained personnel to conduct the D3A targeting process**
  - **D3A is not utilized as a part of the MCPP**
  - **Targeting products that support both kinetic and non-kinetic targets are not produced or are of limited use**
    - **CA and IO are out of synch with Targeting objectives**
  - **The ISR plan does not support the Fire Support Plan or targeting objectives**
  - **Joint resources are not used to support targeting objectives**
    - **Do not take advantage of joint targeting process**
    - **Tend to rely on Marine Air assets**
  - **Targets are rarely "Assesed"**
    - **Incomplete targeting cycle, commanders intent not achieved**

Identification / Impact of the Capability Gap

- **The MAGTF has no automated tactical targeting tools appropriate for use below the MEF level**
  - **JADOCS is a MEF and higher targeting tool, AFATDS is not a targeting tool, Units below the MAGTF lack the infrastructure required to manage targeting information**
  - **Targeting lists are not managed horizontally or vertically**
  - **Units below MEF do not have visibility of the JIPTL, RTL or NSTL**
  - **Units cannot conduct effective shaping**
- **The Marine Corps needs to "institutionalize" the targeting process**
  - **The D3A targeting process is not used due to the lack of trained personnel and doctrinal reference**

Identification / Impact of GAP on DO

- **The MAGTF does not have enough trained personnel in maneuver billets to conduct targeting in a Distributed Operations environment**
  - **DO requires intensive planning to support targeting in a DO environment**
  - **Lack of targeting products or useless targeting products will lead to a poor ISR plan, disjointed FSP and wasted resources**
- **The MAGTF does not have the targeting infrastructure to support Distributed Operations targeting**
  - **Cannot coordinate the employment of limited assets**
  - **Unable to receive and process targeting information from multiple sources**
  - **Computer and software resources don't support DO**

Identification / Impact of GAP on DO

- **The MAGTF lacks the communications capability to share target acquisition information in Distributed Operations environment**
  - **DO requires communications capability over widely dispersed units for real time targeting information to be transmitted IOT support correlation, attack and shared situational awareness**

Key Attributes Needed to Resolve the Gap

- **The Marine Corps must increase the number a trained personnel to conduct the D3A targeting process**
- **The Marine Corps Must develop infrastructure to support the D3A targeting process**
- **An automated targeting system that supports target development/prosecution horizontally & vertically from GCE to MAGTF CE and ACE must be developed**
- **The D3A targeting process needs to be doctrinally supported across the MAGTF**
- **Dynamic targeting requires a real time target coordinate refinement tool to support the D3A targeting process**
- **Targeting personnel must have imagery exploitation capability for (UAS/LITNING POD) full motion video and metadata fusion**
- **Effective counterfire requires adequate sensor coverage for redundancy in asymmetrical environment**
- **Must develop a communication capability to network targeting information over long distances (DO environment)**
- **Tactical satellite communications to access Theater and National numerical weather prediction models during DO IOT support target acquisition and firing units.**

Capability Gap Issues

- **The capability gaps are not new and are becoming increasing larger and more pronounced by current operations, recent equipment acquisitions and future operating concepts. Several UUNS and TOECR's have been submitted highlighting these gaps within the Marine Corps. Both the Ground Board and PP&O have identified and proposed solutions to mitigate the gaps.**
  - **0803 Target Information Officer**
  - **LCMR/GCFS**
  - **AN/TPQ-46 Enhancement programs**
  - **MAGTF Targeting Process**

- **The Capability gaps are also associated with the capability areas of Target Acquisition and fire support coordination**
  - **Solutions are mutually supporting**

Capability Gap Issues

- **Army initiatives to mitigate capability gaps associated with Counterfire/Targeting**
  - **Increased MOS 131A Targeting Warrant Officer (USMC 0803) from 147 to 352**
  - **Fielded a Counter Rocket Artillery Mortar Program (CRAM)**
    - **Developed a communications structure to transmit targeting and counterfire information**
    - **Developed a correlation engine to automated the counterfire process**
  - **Converted and Augmented air defense personnel and units to counterfire and targeting positions**
  - **Instituting Point mensuration and collateral damage estimate training in WOAC**

Integration Concerns

- **Intelligence Integration Division**
  - **# 1 Capability Shortfall = Sensor to Shooter link**
  - **# 3 Capability Shortfall = Lack of ISR/Data Management**

Gap #	JCA	MCTL	Description of Capability Gap by Task	G/E/S/N
1	4.5.2 [illegible] Development 7.0.0.0 Joint Protection 9.3.0.0 Conduct Decisive Maneuver 14.0.0.0 Joint Special Operations and Irregular Warfare 14.2.0.0 Direct Action 14.4.0.0 Unconventional Warfare	2.1 Plan and direct Intelligence Operations 2.1.1.5 Support targeting	Limited ability to rapidly disseminate actionable intelligence and relevant products, to include sensor to shooter Near Real Time (NRT) data to the lower tactical levels (BN and below).	S
2	4.2.0.0 Observation and Collection (All Domains)	2.2 Collect data and intelligence	Limited ability to establish and maintain a persistent, multi-sensor collection architecture to enable a covert, "unblinking eye" view within a defined battlespace.	S
3	5.3.1.0 Access and Share Intelligence Information and Forecasts	2.1 Plan and direct intelligence operations 2.4 Produce Intelligence	Limited ISR data visibility and accessibility and database synchronization between USMC units/ organizations, other Services, Theater elements, coalition partners and government/non-government organizations external to the DoD.	S
4	14.4.0.0 Unconventional Warfare	2.2 Collect data and intelligence	Limited ability to collect on rapidly changing threat signals of interest – refer to the following Joint Worldwide Intelligence Communication System (JWICS) http://www.itsfac.mcia.ic.gov/MCISR-E	S

Integration Concerns

- **Intelligence Integration Division**
  - **# 6 Capability Shortfall = Gap in the process and Identification of targeting information**
  - **# 3 Capability Shortfall = Gap in ability to collect targeting information**

Gap #	JCA	MCTL	Description of Capability Gap by Task	G/E/ S/N
5	4.2.0.0 Observation and Collection (All Domains) 7.0.0.0 Joint Protection 9.3.0.0 Conduct Decisive Maneuver 14.0.0.0 Joint Special Operations and Irregular Warfare 14.2.0.0 Direct Action 14.4.0.0 Unconventional Warfare 18.4.3.0 Regional Security Initiatives	2.1.3 Plan and Coordinate for the collection of Tactical Intelligence 2.1.3.3 Conduct human intelligence activities	Limited ability to provide CI/HUMINT support across the MAGTF.	S
6	4.5.2.0 Intelligence Architecture Development	2.3 Process and exploit collected information/ intelligence 2.4 Produce Intelligence	Limited ability to efficiently identify and display in a usable format, key data within the volume of collected data requiring processing and exploitation.	S
7	4.4.4.0 Intelligence Preparation of the Environment 8.0.0.0 Joint Logistics	2.2 Collect data and intelligence	Limited ability to collect in restricted (urban, subterranean), terrain through camouflage, and in all weather conditions.	S
8	14.0.0.0 Joint Special Operations and Irregular Warfare	2.2 Collect data and intelligence	Inability to remotely collect inside buildings or through walls on convention/ non-conventional threat	G

Integration Concerns

- **Intelligence Integration Division**
  - **# 9 Capability Shortfall = Gap in the ability to support the creation of targeting products that drive the ISR support plan**

Gap #	JCA	MCTL/UJTL Section	Description of Capability Gap by Task	G/E/S/N
9	4.4.2.0 Dissemination and Integration 4.5.2.0 Intelligence Architecture Development	2.5 Disseminate and integrate intelligence	Inability to provide tailored, Multi-Level Security (MLS) products.	G
10	4.4.4.0 Intelligence Preparation of the Environment 5.3.0.0 Develop and Maintain Shared Situational Awareness 14.0.0.0 Joint Special Operations and Irregular Warfare 14.4.0.0 Unconventional Warfare 18.4.3.0 Regional Security Initiatives 19.2.0.0 Humanitarian Assistance	2.4 Produce Intelligence 2.4.2 Interpret information	Limited foreign language capability.	S

Integration Concerns

- **Command and Control Integration Division**
  - **# 1 Capability Shortfall = Transmitting accurate terrestrial information, inability to determine accurate locations for targeting**

Gap #	JCA	MCTL	Description of Capability Gap by Task	G/E/ S/N
1	5.3.0.0 Develop and Maintain Shared Situational Awareness and Understanding	5.1 Acquire, Process, Communicate information and maintain status 5.1.3.2 Provide Positive ID of Friendly Forces in the AO	Technological solution needed to build hybrid terrestrial/celestial networks which combine the low data latency aspects of terrestrial networks with the BLoS capability of celestial networks, in order to maintain complete, accurate blue force picture.	S
2	Provide Robust, reliable communications to all nodes, based on the varying requirements of those nodes (FORCEnet 1)	5.1.1 Provide and Maintain Communications	Gap in the ability to operate voice and data C2 systems to the squad level	G
3	5.6.0.0 Synchronize Execution Across all domains	5.3.1 Direct Operations 5.3.2 Establish Means of command and Control	Gap in the ability to define and display operational picture with minimum latency, incorporate air and ground tracks, do so on-the move and over-the-horizon from any platform	G
4	Provide Robust, reliable communications to all nodes, based on the varying requirements of those nodes (FORCEnet 1)	5.1.1 Provide and Maintain Communications	Gap in the ability to operate C4I systems on-the-move and over-the-horizon	G
5	5.3.0.0 Develop and Maintain Shared Situational Awareness and Understanding	5.1 Acquire, Process, Communicate information and maintain status 5.1.3.2 Provide Positive ID of Friendly Forces in the AO	Shortfall: Inability to fully share Blue Force Tracking information between Army and Marine Corps units due to differences in communications architectures, data management strategies and network security classification.	S

Integration Concerns

- **Command and Control Integration Division**
  - **# 1 Capability Shortfall = Transmitting accurate terrestrial information, inability to determine accurate locations for targeting**

Gap #	JCA	MCTL	Description of Capability Gap by Task	G/E/ S/N
6	5.6.0.0 Synchronize Execution Across all domains	5.3.1Direct Operations 5.1.3.1 Maintain COP 5.3.2 Establish Means of Command and Control	Shortfall in ability to define and display operational picture with required latency, incorporate air and ground tracks, do so on-the move from any platform	S
7	5.5.0.0 Plan Collaboratively	5.4.2.3 Conduct Information Assurance	Gap in sharing information with coalition countries and non-governmental organizations	G
8	Provide Robust, reliable communications to all nodes, based on the varying requirements of those nodes (FORCEnet 1)	5.1.1 Provide and Maintain Communications	Gap in ability to monitor, maintain and manage the network.	G
9	5.5.0.0 Plan Collaboratively	5.3.2 Establish Means of Command and Control 5.2 Prepare Plans and Orders 5.3 Direct, Lead, Coordinate Forces/Operations	Gap in sufficient transport layer capability to support collaborative applications	G
10	5.3.0.0 Develop and Maintain Shared Situational Awareness and	5.1 Acquire, Process, Communicate information and maintain status	Gap: Inadequate number of BFT devices to meet desired fielding density to provide comprehensive blue force picture. Inadequate technological solution to positively ID friendly	G

Doctrine/OTLPFM Analysis

- **Doctrine**
  - **Joint Publications**
    - **JP 3-60 Joint Doctrine for Targeting, 17 Jan 2002 (Under Revision)**
    - **JP 2.01.1 Joint Tactics Techniques and Procedures for Intelligence to Support Targeting, 9 Jan 2003**
  - **Marine Corps Publications**
    - **MCRP 3-16A Tactics, Techniques and Procedures for the Targeting Process, 8 May 1996**
      - **Dual service designated publication**
    - **MCRP 3-16D Multi-Service, Tactics, Techniques and Procedures for Time Sensitive Targets, Apr 2004**
      - **Dual service designated publication**

Doctrine/OTLPFM Analysis

- **MCRP 3-16.1A Tactics, Techniques and Procedures for the Field Artillery Target Acquisition, May 2002**
  - **Dual service designated publication**

- **Doctrinal Mitigating Solutions and Impacts**
  - **Develop a Marine Corps doctrinal publications that provides a baseline for MAGTF Targeting**
  - **Develop a Marine Corps doctrinal publications that provides a baseline detailing digital targeting, target acquisition and counterfire processes (Similar to the old FM 6-18-1 MCFSS TTP)**
  - **Review and update MCRP 3-16.1A**

D/Organization/TLPFM Analysis

- **Organization**
  - **Current targeting structure does not support the D3A targeting process which is key to effective counterfire and targeting**

- **Organizational Mitigating Solutions**
  - **Target Acquisition Platoon (TAP) UNS CDTS # 06025UA**
    - **Re-organizes the Operations Platoon in the Artillery Regiment Headquarters into a Target Acquisition Platoon**
    - **Provides the infrastructure to conduct and support D3A**
    - **Provides the computer and communications network to support D3A and Distributed Operations**
    - **Scaleable to support all elements of the MAGTF, future concepts and Distributed Operations**
    - **SINGLE MOST COST EFFECTIVE SOLUTION**

DO/Training/LPFM Analysis

- **Training**
  - **There is currently insufficient training to support D3A**
  - **Not enough Marine are trained to support D3A or joint targeting**
- **Training locations**
  - **Marine Detachment Ft Sill Ok**
    - **Evaluate impacts of increasing/changing courses (Ongoing)**
    - **Evaluate impacts of student increases (Ongoing)**
  - **Dam Neck VA**
    - **Evaluate impact of increase students**

DO/Training/LPFM Analysis

- **Training mitigating solutions and impacts**
  - **Develop a MAGTF targeting curriculum**
  - **Develop training that supports a target acquisition MOS**
    - **Curriculum is currently being developed**
    - **Target Acquisition Platoon UNS (CDTS # 06025UA)**
  - **Focused specific career progression schools for 0803's**
    - **WOBC, Joint Targeting School, WOAC etc**
  - **Identify targeting as a secondary MOS for specific billets**
    - **Develop training plan for MOS**
    - **Requires emphasis from leadership**
  - **May impact facilities and instructors**
    - **Evaluate impact of increase students**

DOT/Leadership/PFM Analysis

- **Leadership and Education**
  - **Counterfire/Targeting leadership and experience is needed in infantry units**
  - **Organization leadership will be required to mitigate gaps in CSS units**
- **Leadership Solutions**
  - **CO's & OPSO's need to recognize value of D3A and the targeting process**
  - **Place 0803 Target Information Officers in each regiment, MEU and MEF (0803 UUNS CDTS # 06285UA)**

DOTL/Personnel/FM Analysis

- **Personnel**
  - **There are not enough trained targeting personnel**
    - **Infantry units have little to no experience in D3A or developing the products required to focus ISR assets**
    - **Infantry units have no experience in the employment of counterfire assets**
    - **Personnel designated to perform targeting activities are untrained**
  - **Combat Service Support**
    - **No specific targeting billets or duties identified to support D3A targeting**
  - **Air support Element**
    - **Have dedicated billets identified to perform targeting process functions**

DOTL/Personnel/FM Analysis

- **Personnel Solutions**
  - **Put an 0803 Target Information Officer in maneuver elements; regiment, MEU, MEF (0803 UUNS CDTS # 06285UA)**
    - **Critical to the D3A targeting process and the employment of counterfire assets**
  - **Identify and designate billets appropriate for additional duties of targeting in CSS units**
    - **Provides CSS targeting knowledge to support target acquisition assets and ensure the targeting process supports they support areas**

DOTLP/Facilities/M Analysis

- **Facilities**
  - **An increase in quantity or quality of facilities will have no effect on the capability gap.**
    - **Training requirements could create a need for increased classrooms.**
    - **The acquisition of equipment or increase in existing systems may require an increase in store space**

DOTLPF/Materiel Analysis

- **Marine Corps Materiel**
  - **The Marine Corps has no materiel that currently supports the D3A methodology below the MEF level**
    - **JADOCS is currently used at MEF level and is currently not a viable solution as a tactical targeting toolbox**
    - **AFATDS is NOT a targeting tool**

DOTLPF/Materiel Analysis

- **Other Service Materiel programs**
  - **Web Enabled Effects Management Console (WEEMC) USA/USAF**
    - **Ground targeting managers developed by USMC**
  - **Joint Automated Deep Operations Coordination System (JADOCS), USA**
    - **Operational Targeting Software Solution**
- **Possible Other Service Materiel Solutions**
  - **Evaluate JADOCS/WEEMC for use as a tactical targeting tool**
    - **Currently JADOCS is not a viable solution for use below the MEF level**
  - **Evaluate Point Mensuration Tools such as Rainstorm, (NGA supported) Terrasight (Imagery Exploitation)**

Materiel/Non-Materiel Recommendation

- **Issue a Solution Planning Directive (SPD) to prepare a DOTMLPF Change Request (DCR) for Target Acquisition, Counterfire and Targeting (TACT).**
  - **Target Acquisition Platoon**
    - **Table of Organization and Equipment Change Request to support the Target Acquisition Platoon**
    - **Restructure Operations Platoon within the headquarters battery at each artillery regiment**
    - **Change MOS description and title of the 0847 MOS**
  - **LCMR**
  - **GCFS**
  - **Tactical Targeting Software Suite**
  - **Modeled Meteorological information Manager**
  - **Target Acquisition correlation engine**
  - **Improvements and upgrades for the AN/TPQ-46 radar**
  - **Meteorological requirements**
  - **Marine Artillery Survey Set**
  - **Geodetic Information center**

Materiel/Non-Materiel Recommendation

- **Increase the total number of active duty 0803's, placing one in each active duty infantry regiment MEU and one at each MEF.**
  - **UUNS CDTS # 06285UA**
  - **TOECR submitted April 2004**
  - **Ground Combat Branch, Plans, Policies and Operations concurs with TOECR March 2005**
  - **Requirement validated by Deputy Commandant for Combat Development April 2005**
  - **0803 UUNS submitted September of 2006**
    - **CDIB tasks F&MID to validate in FSA**
- **The FSA conducted validates that putting 0803's in the infantry regiments will significantly mitigate capability gaps related to target acquisition, counterfire and targeting**

Materiel/Non-Materiel Recommendation

- **Capability gaps mitigated**
  - **MCT 3.1 Conduct Targeting (Using D3A in concert with JTS)**
  - **MCT 3.1.2 Decide, Conduct Target Development, Validation, Prioritization and nomination**
  - **MCT 3.1.6 Assess/ Conduct Combat Assessment**
  - **MCT 3.2 .1 Conduct Fire Support Tasks**

Doctrinal Recommendation

- **DCR determines recommendations for Publication Development Order (PDO)'s that mitigate gaps and shortfalls**
  - **MAGTF target acquisition publication**
    - **Develop a replacement for the MCRP 3-16.1A Tactics, Techniques and Procedures for the Field Artillery Target Acquisition, May 2002**
  - **MAGTF targeting process publication**
    - **Validates decision of the Capabilities Development Board from May of 2004 in response to the MAGTF Targeting Process UNS CDTS # 04132UA, recommendation was that TECOM draft a consolidated targeting publication**
- **Capability gaps mitigated**
  - **MCT 3.1 Conduct Targeting (Using D3A in concert with JTS)**
  - **MCT 3.1.2 Decide/ Conduct Target Development, Validation, Prioritization and nomination**
  - **MCT 3.1.6 Asses/ Conduct Combat Assessment**
  - **MCT 3.2.1 Conduct Fire Support Tasks**

Results/Expectations of Recommendations

- **TACT DCR (Draft complete NLT 1 Oct 07)**
  - **TAP**
    - **TOECR, COO**
  - **Determines billet and/or other personnel recommendations that may mitigate gap/shortfalls across the MAGTF**
    - **0803's at the infantry regiment has already been validated and billets need to be established ASAP.**
  - **Provide the basis for the recommended doctrinal solutions**
  - **Determine and validate the requirements of a tactical targeting software solution**
  - **Identify and update requirements for meteorological and survey support in the MAGTF**
  - **Identify other material and non-material solutions to mitigate the identified gaps**

Point of Contact for Further Information

- **CWO4 Jeffry S. Nebel**
  - **703-784-6208**
  - **DSN 278-6208**
  - **jeffry.nebel@usmc.mil**